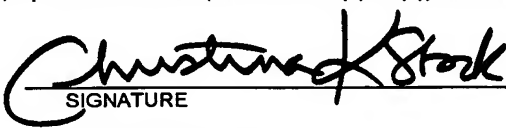


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER 29326-017CIP NATL U.S. APPLICATION NO. 10/526853 (if known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. PCT/US2003/027888	INTERNATIONAL FILING DATE 05 September 2003 (05.09.2003)	PRIORITY DATE CLAIMED 06 September 2002 (06.09.2002)
TITLE OF INVENTION METHODS AND COMPOSITIONS FOR TISSUE REGENERATION		
APPLICANT(S) FOR DO/EO/US ROLLAND, Eric; HUNZIKER, Thomas; MIS, Beatrice; RINSCH, Christopher		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.		
2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.		
3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.		
4. <input checked="" type="checkbox"/> The US has been elected (Article 31).		
5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))		
a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> has been communicated by the International Bureau.		
c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).		
6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).		
a. <input type="checkbox"/> is attached hereto.		
b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).		
7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))		
a. <input checked="" type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).		
b. <input type="checkbox"/> have been communicated by the International Bureau.		
c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.		
d. <input type="checkbox"/> have not been made and will not be made.		
8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).		
9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).		
10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).		
Items 11 to 20 below concern document(s) or information included:		
11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.		
12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.		
13. <input type="checkbox"/> A preliminary amendment.		
14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.		
15. <input type="checkbox"/> A substitute specification.		
16. <input type="checkbox"/> A power of attorney and/or change of address letter.		
17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.		
18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).		
19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).		
20. <input checked="" type="checkbox"/> Other items or information: Form PCT/IB/308, Form PCT/IB/346, Check, Postcard, Express Mail Label No. EV494970529US, Int'l Search Report, Int'l Preliminary Examination Report, Ltr to US/RO dated 08 July 2004. Filing Date: 04 March 2005 (04.03.2005)		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/526853		INTERNATIONAL APPLICATION NO. PCT/US2003/027888		ATTORNEY'S DOCKET NUMBER 29326-017CIP NATL	
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21. <input checked="" type="checkbox"/> Basic national fee..... \$300				\$	300.00
22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)..... \$100 All other situations..... \$200				\$	100.00
23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared and provided to the Office..... \$400 All other situations..... \$500				\$	400.00
TOTAL OF 21, 22 and 23 =				\$	800.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$	130.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	42 - 20 =	22	x \$ 50	\$	1,100.00
Independent claims	1 - 3 =	-2	x \$200	\$	0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$	2,030.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/3.					
SUBTOTAL =				\$	2,030.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	0.00
TOTAL NATIONAL FEE =				\$	2,030.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$	
TOTAL FEES ENCLOSED =				\$	2,030.00
				Amount to be refunded:	\$
				Amount to be charged:	\$
<p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>2,030.00</u> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0311</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>					
<p>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>Ivor R. Elrifi, Esq. Mintz, Levin, Cohn, Ferris, Glovsky and Pepeo, P.C. One Financial Center Boston, MA 02111</p>					
				<p> SIGNATURE Christina K. Stock NAME 45,899 REGISTRATION NUMBER</p>	

IN THE INTERNATIONAL BUREAU OF
THE WORLD INTELLECTUAL PROPERTY ORGANIZATION

International Application No. : PCT/US03/27888
International Filing Date : 05 September 2003 (05.09.03)
Earliest Priority Date : 06 September 2002 (06.09.02)
Applicant(s) : ISOTIS SA
Title : METHODS AND COMPOSITIONS
FOR TISSUE REGENERATION

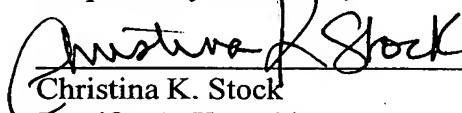
The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

TRANSMITTAL

Transmitted herewith is the following for filing in the above-referenced application:

- Amendments under PCT Article 19.

Respectfully submitted,


Christina K. Stock
Jennifer A. Karnakis
MINTZ, LEVIN, COHN, FERRIS,
GLOVSKY and POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
United States of America
Telephone: 617-542-6000
Facsimile: 617-542-2241

Agent Ref.: 17811-017CIP
Date: 02 February 2004 (02.02.04)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AS INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

International Application No. : PCT/US2003/027888
International Filing Date : 05 September 2003 (05.09.2003)
Earliest Priority Date : 06 September 2002 (06.09.2002)
Applicant(s) : ISOTIS SA
Title : METHODS AND COMPOSITIONS
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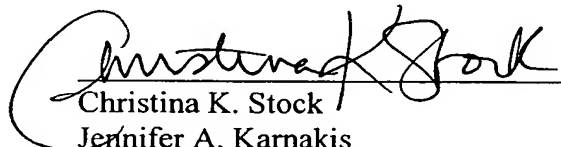
Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL

Transmitted herewith are the following:

- Letter, with copy of
 - Amendments Under PCT Article 19 submitted to the International Bureau of WIPO on 02 February 2004 (02.02.2004), including copy of
 - Substitute sheets of the specification (6 sheets, pages 53-58).

Respectfully submitted,



Christina K. Stock
Jennifer A. Karnakis
MINTZ, LEVIN, COHN, FERRIS,
GLOVSKY and POPEO, P.C.
One Financial Center
Boston, Massachusetts 02111
United States of America
Telephone: 617-542-6000
Facsimile: 617-542-2241

Docket No.: 17811-017CIP
Date: 08 July 2004
Express Mail Label No. EV 258772953 US

EV258772953US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AS INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

International Application No. : PCT/US2003/027888
 International Filing Date : 05 September 2003 (05.09.2003)
 Earliest Priority Date : 06 September 2002 (06.09.2002)
 Applicant(s) : ISOTIS SA
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 Commissioner for Patents
 P.O. Box 1450
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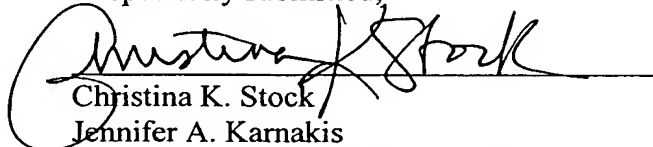
LETTER

The applicant requests that the international preliminary examination start on the basis of the claims as amended under PCT Article 19. A copy of the **Amendments Under PCT Article 19** with substitute sheets of pages 53-58, submitted to the International Bureau of WIPO on 02 February 2004 (02.02.2004), is enclosed herewith.

No new matter has been added.

Favorable action is hereby requested. The authorized officer is invited to contact the undersigned if further information is required.

Respectfully submitted,



Christina K. Stock
 Jennifer A. Karnakis
 MINTZ, LEVIN, COHN, FERRIS,
 GLOVSKY and POPEO, P.C.
 One Financial Center
 Boston, Massachusetts 02111
 United States of America
 Telephone: 617-542-6000
 Facsimile: 617-542-2241

Docket No.: 17811-017CIP
 Date: 08 July 2004
 Express Mail Label No. EV 258772953 US